

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P559915

Luminaire Tested: **SDL-PA1-100-827-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-827-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5957.1 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 93.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

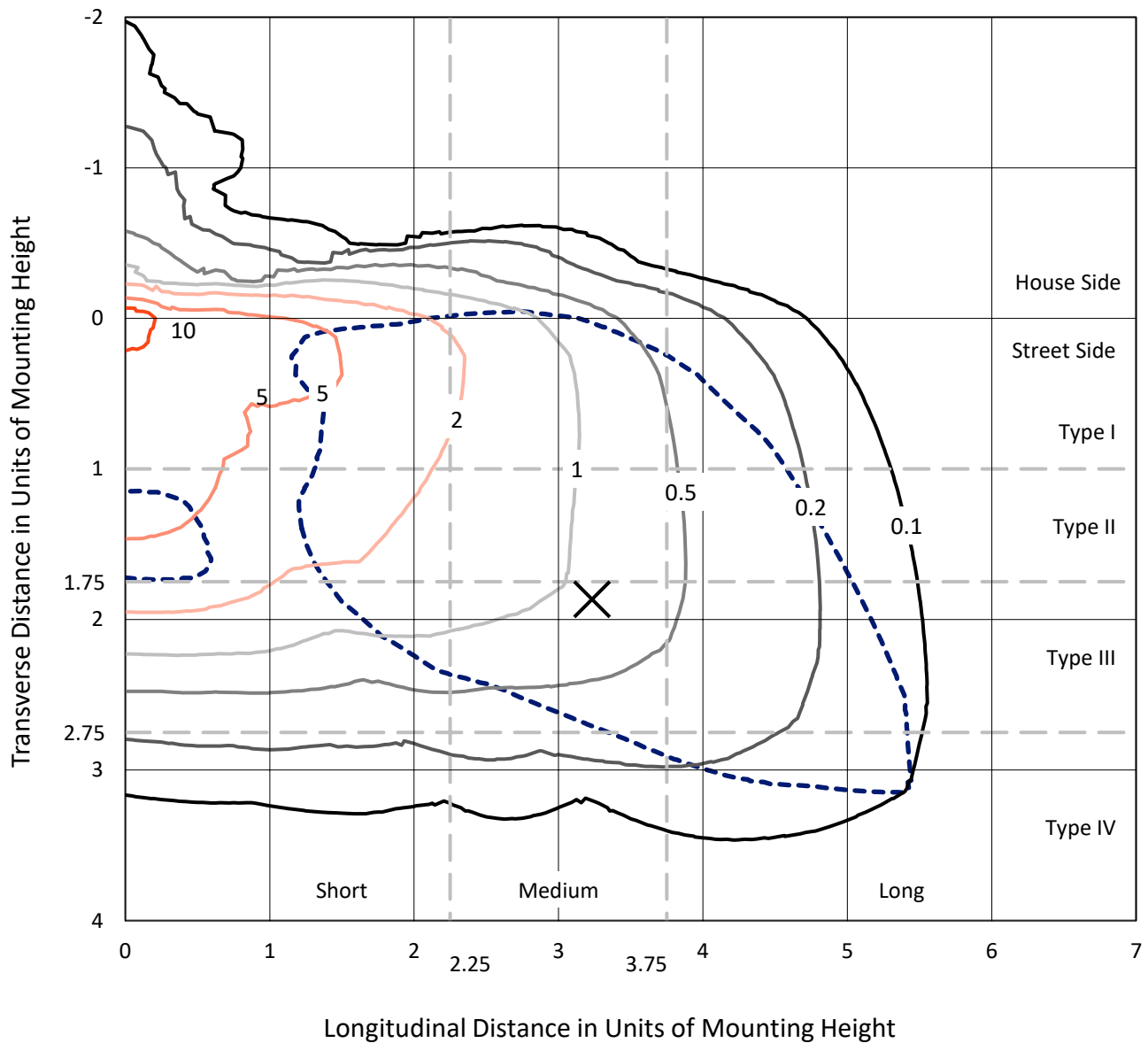


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

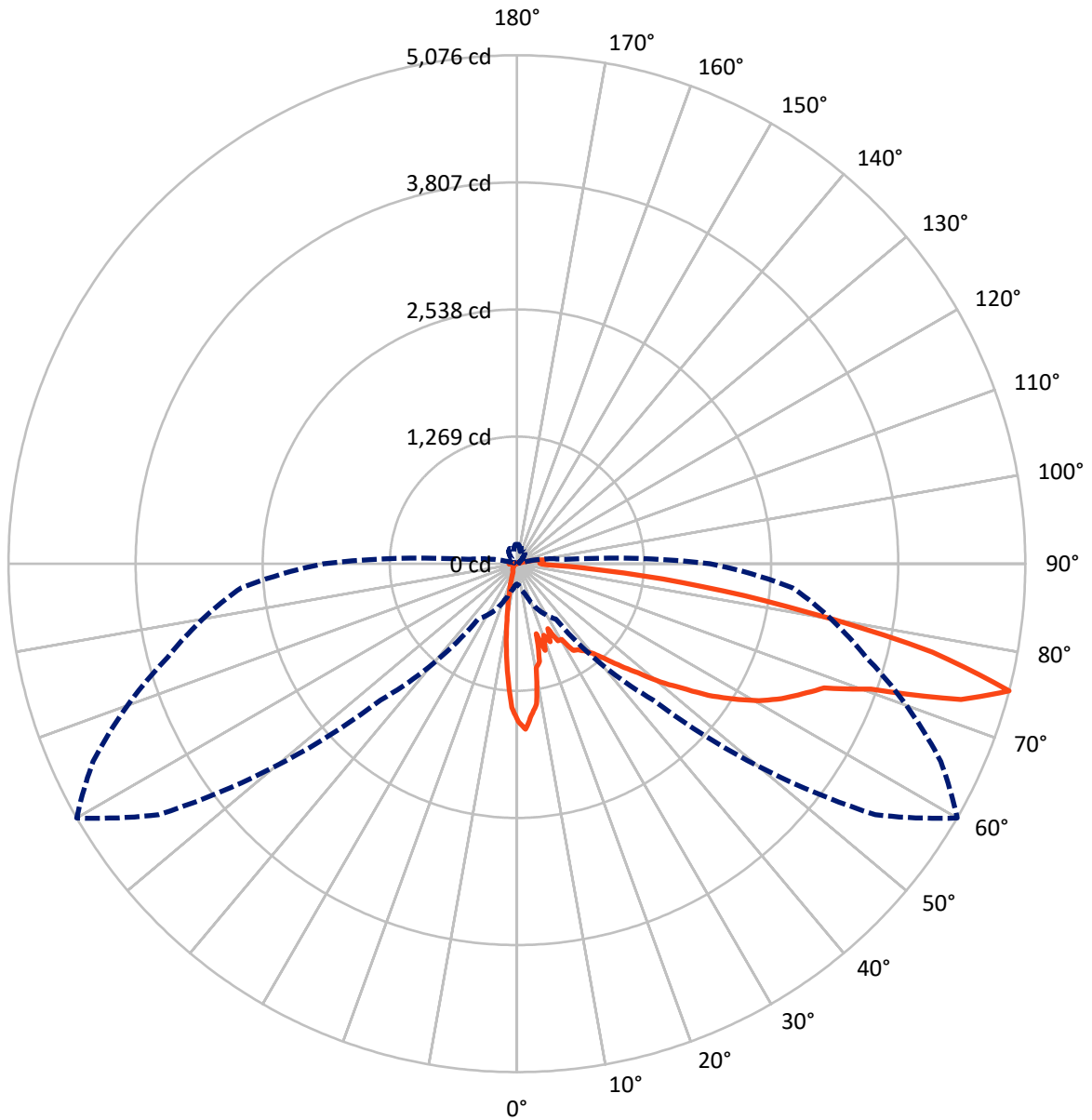


Based on 10 foot mounting height. Maximum calculated value = 15.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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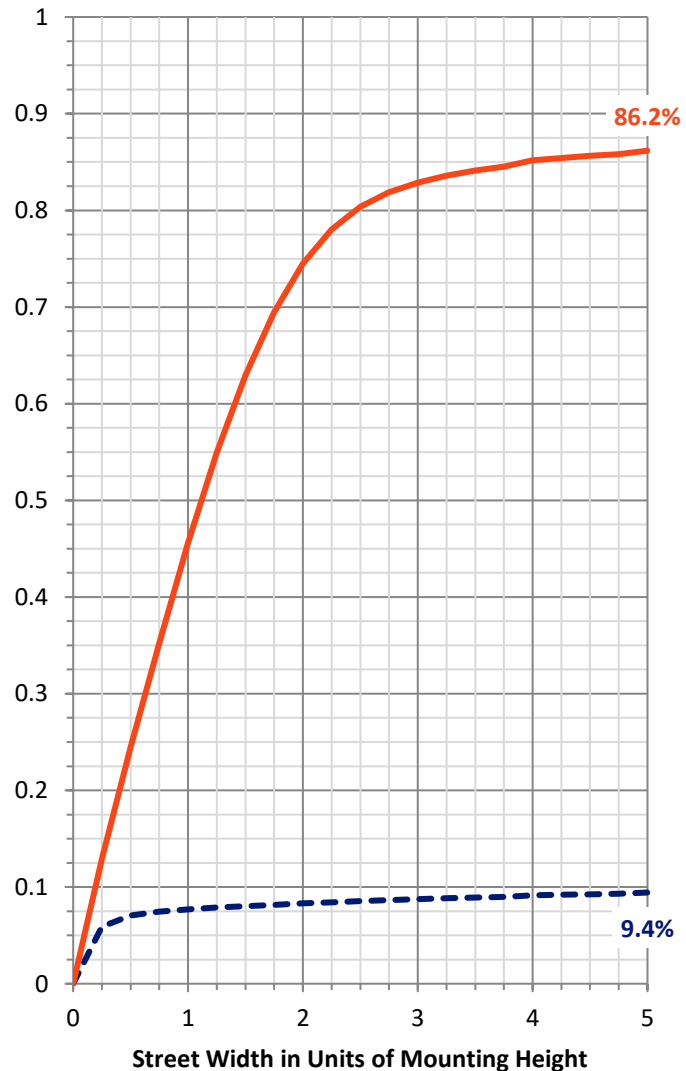
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	615.6	80.3	695.9
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	5177.2	84.0	5261.2
	% Fixture	86.9	1.4	88.3
Total	Lumens	5792.8	164.3	5957.1
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	1.8
10°-20°	179.2	3.0
20°-30°	253.4	4.3
30°-40°	455.4	7.6
40°-50°	767.4	12.9
50°-60°	1193.5	20.0
60°-70°	1408.4	23.6
70°-80°	1142.5	19.2
80°-90°	283.7	4.8
90°-100°	114.5	1.9
100°-110°	26.5	0.4
110°-120°	8.3	0.1
120°-130°	7.4	0.1
130°-140°	3.9	0.1
140°-150°	1.9	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5792.8	97.2
0°-180°	5957.1	100.0



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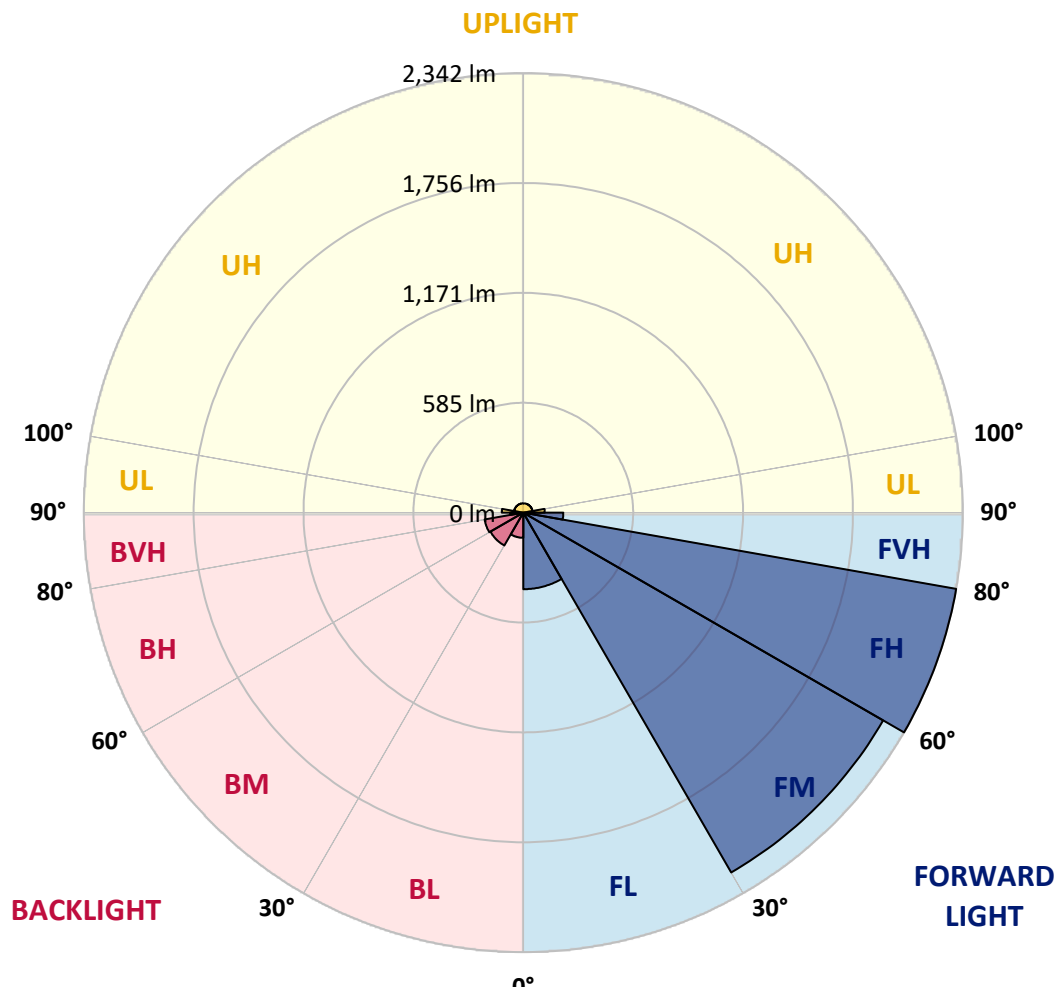
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	408.0	6.8			
FM	(30°-60°)	2214.0	37.2			
FH	(60°-80°)	2341.9	39.3			G2/5000
FVH	(80°-90°)	213.3	3.6			G2/225
BL	(0°-30°)	133.9	2.2	B1/500		
BM	(30°-60°)	202.4	3.4	B0/220		
BH	(60°-80°)	209.0	3.5	B1/500		G1/500
BVH	(80°-90°)	70.4	1.2			G1/100
UL	(90°-100°)	114.5	1.9		U3/500	
UH	(100°-180°)	49.8	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7
2.5°	1481.1	1594.0	1560.9	1665.5	1679.3	1673.8	1668.3	1654.5	1640.8	1616.0	1577.4
5°	1420.5	1431.5	1423.3	1442.5	1445.3	1453.6	1439.8	1516.9	1646.3	1613.2	1552.7
7.5°	1167.2	1282.9	1296.6	1332.4	1365.5	1398.5	1417.8	1415.0	1249.8	1404.0	1335.2
10°	1192.0	1208.5	1205.8	1230.6	1203.0	1156.2	1054.4	1057.1	1057.1	1090.2	1126.0
12.5°	944.3	993.8	1114.9	1153.5	1070.9	974.5	982.8	1002.1	1015.8	861.7	949.8
15°	1070.9	1073.6	1076.4	1076.4	806.6	922.2	803.9	726.8	831.4	1018.6	1035.1
17.5°	839.6	831.4	969.0	958.0	889.2	685.5	892.0	911.2	875.4	856.2	861.7
20°	985.6	985.6	977.3	779.1	820.4	883.7	765.3	762.6	806.6	1002.1	1013.1
22.5°	798.4	790.1	834.1	867.2	779.1	842.4	754.3	847.9	938.8	886.4	724.0
25°	999.3	999.3	966.3	751.6	806.6	724.0	836.9	718.5	798.4	1084.7	1032.4
27.5°	925.0	900.2	823.1	853.4	724.0	842.4	770.8	872.7	922.2	1123.2	1203.0
30°	1194.8	1186.5	1098.4	858.9	823.1	773.6	828.6	878.2	1062.6	1456.3	1390.2
32.5°	1594.0	1549.9	1249.8	1062.6	864.4	916.7	883.7	1032.4	1167.2	1489.3	1409.5
35°	1701.3	1668.3	1525.1	1291.1	969.0	969.0	949.8	1054.4	1197.5	1560.9	1450.8
37.5°	1737.1	1734.4	1684.8	1412.3	1112.2	1114.9	1004.8	1106.7	1258.1	1657.3	1511.4
40°	1759.1	1764.6	1814.2	1538.9	1263.6	1258.1	1106.7	1181.0	1351.7	1761.9	1621.5
42.5°	1852.7	1883.0	1943.6	1679.3	1406.8	1409.5	1230.6	1299.4	1475.6	1935.3	1772.9
45°	2062.0	2070.2	2106.0	1872.0	1541.6	1560.9	1387.5	1459.1	1627.0	2125.3	1943.6
47.5°	2378.5	2378.5	2318.0	2023.4	1701.3	1728.8	1552.7	1627.0	1805.9	2403.3	2141.8
50°	2659.3	2637.3	2505.2	2202.4	1830.7	1891.3	1770.1	1855.5	1957.3	2615.3	2389.6
52.5°	2835.5	2827.3	2664.8	2323.5	1968.4	2070.2	1949.1	2059.2	2133.5	2835.5	2612.5
55°	2810.8	2810.8	2706.1	2386.8	2095.0	2232.6	2180.3	2318.0	2345.5	3044.8	2775.0
57.5°	2717.2	2730.9	2681.4	2411.6	2119.8	2386.8	2417.1	2546.5	2593.3	3165.9	2876.8
60°	2527.2	2554.7	2607.0	2444.6	2216.1	2560.2	2659.3	2775.0	2863.1	3256.7	2962.2
62.5°	2172.1	2207.9	2392.3	2441.9	2290.4	2739.2	2865.8	2967.7	3050.3	3306.3	3022.7
65°	1646.3	1712.3	1979.4	2265.7	2284.9	2948.4	3033.7	3132.8	3212.7	3355.8	3179.6
67.5°	1051.6	1054.4	1343.4	1872.0	2130.8	3243.0	3259.5	3309.0	3361.3	3493.5	3402.6
70°	542.3	569.9	707.5	1194.8	1745.4	3303.5	3823.8	3752.3	3672.4	3793.6	3691.7
72.5°	360.6	390.9	465.2	644.2	1095.7	2978.7	4437.7	4636.0	4283.6	4016.5	3438.4
75°	203.7	220.2	311.1	509.3	677.2	1924.3	4368.9	5076.4	4669.0	3609.1	2764.0
77.5°	90.8	96.4	140.4	399.2	580.9	938.8	3438.4	4242.3	4079.9	3009.0	1993.1
80°	49.6	49.6	66.1	184.4	492.8	707.5	2282.2	2953.9	2775.0	1814.2	905.7
82.5°	27.5	30.3	38.5	88.1	300.1	646.9	1442.5	1852.7	1464.6	498.3	366.1
85°	11.0	11.0	16.5	46.8	110.1	547.8	790.1	880.9	591.9	253.3	283.6
87.5°	5.5	5.5	5.5	16.5	35.8	140.4	258.8	278.0	217.5	201.0	245.0
90°	8.3	8.3	5.5	5.5	24.8	148.7	217.5	228.5	178.9	201.0	247.8
92.5°	11.0	8.3	5.5	5.5	19.3	148.7	247.8	245.0	178.9	201.0	256.0
95°	13.8	11.0	5.5	5.5	19.3	132.1	297.3	267.0	192.7	203.7	269.8
97.5°	13.8	13.8	5.5	5.5	19.3	101.9	313.8	269.8	167.9	132.1	184.4
100°	16.5	16.5	5.5	5.5	22.0	60.6	217.5	201.0	118.4	44.0	52.3
102.5°	19.3	19.3	5.5	5.5	13.8	30.3	104.6	101.9	66.1	11.0	19.3
105°	19.3	22.0	5.5	5.5	5.5	13.8	38.5	46.8	33.0	11.0	19.3
107.5°	22.0	24.8	5.5	5.5	5.5	8.3	16.5	16.5	11.0	11.0	19.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	16.5	16.5	2.8	5.5	5.5	5.5	2.8	5.5	5.5	8.3	16.5
115°	8.3	5.5	2.8	5.5	2.8	5.5	2.8	5.5	8.3	8.3	19.3
117.5°	2.8	2.8	2.8	2.8	2.8	5.5	2.8	5.5	5.5	13.8	24.8
120°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5	19.3	30.3
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5	19.3	35.8
125°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5	13.8	33.0
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5	13.8	27.5
130°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5	11.0	24.8
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	11.0	19.3
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	13.8
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5
140°	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	5.5	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8
150°	11.0	11.0	11.0	8.3	5.5	2.8	8.3	5.5	2.8	2.8	2.8
152.5°	8.3	8.3	13.8	5.5	2.8	2.8	2.8	8.3	8.3	2.8	2.8
155°	8.3	8.3	5.5	2.8	2.8	2.8	2.8	2.8	2.8	8.3	11.0
157.5°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	5.5	2.8
160°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7	1574.7
2.5°	1563.7	1547.2	1503.1	1461.8	1412.3	1382.0	1277.4	1159.0	1134.2	1128.7	1109.4
5°	1525.1	1489.3	1404.0	1222.3	1040.6	958.0	919.5	889.2	847.9	839.6	828.6
7.5°	1293.9	1233.3	1101.2	878.2	850.7	773.6	710.3	658.0	545.1	514.8	498.3
10°	1076.4	1024.1	751.6	638.7	580.9	523.1	454.2	401.9	355.1	333.1	324.8
12.5°	869.9	817.6	561.6	506.5	360.6	297.3	258.8	214.7	178.9	159.7	159.7
15°	963.5	878.2	580.9	360.6	236.8	176.2	129.4	115.6	134.9	137.6	137.6
17.5°	787.3	702.0	457.0	280.8	173.4	96.4	104.6	118.4	129.4	112.9	115.6
20°	905.7	787.3	459.7	212.0	110.1	93.6	96.4	88.1	118.4	121.1	121.1
22.5°	685.5	619.4	346.9	167.9	85.3	88.1	82.6	99.1	110.1	96.4	93.6
25°	886.4	729.5	352.4	107.4	85.3	71.6	85.3	77.1	101.9	104.6	104.6
27.5°	1015.8	817.6	308.3	93.6	71.6	77.1	68.8	79.8	77.1	77.1	77.1
30°	1153.5	892.0	300.1	90.8	68.8	63.3	66.1	63.3	74.3	77.1	77.1
32.5°	1153.5	853.4	228.5	90.8	66.1	60.6	52.3	57.8	60.6	66.1	68.8
35°	1161.7	820.4	167.9	82.6	60.6	52.3	46.8	46.8	52.3	55.1	55.1
37.5°	1186.5	798.4	129.4	77.1	55.1	46.8	38.5	41.3	71.6	79.8	79.8
40°	1255.3	798.4	110.1	71.6	49.6	41.3	33.0	52.3	60.6	71.6	71.6
42.5°	1362.7	809.4	104.6	68.8	44.0	35.8	27.5	41.3	74.3	85.3	88.1
45°	1475.6	831.4	99.1	66.1	41.3	30.3	33.0	49.6	57.8	77.1	77.1
47.5°	1632.5	878.2	96.4	63.3	38.5	24.8	30.3	49.6	63.3	82.6	82.6
50°	1803.2	927.7	90.8	60.6	33.0	22.0	46.8	41.3	52.3	85.3	85.3
52.5°	1979.4	985.6	88.1	57.8	30.3	30.3	52.3	49.6	63.3	82.6	85.3
55°	2133.5	1032.4	82.6	57.8	27.5	27.5	55.1	49.6	57.8	77.1	79.8
57.5°	2207.9	1040.6	79.8	55.1	24.8	27.5	52.3	60.6	52.3	63.3	68.8
60°	2301.5	1062.6	71.6	49.6	22.0	35.8	60.6	79.8	71.6	82.6	88.1
62.5°	2389.6	1079.2	63.3	44.0	19.3	38.5	79.8	96.4	77.1	96.4	107.4
65°	2552.0	1114.9	52.3	35.8	16.5	44.0	90.8	115.6	85.3	112.9	112.9
67.5°	2777.7	1172.8	41.3	30.3	16.5	49.6	93.6	132.1	101.9	123.9	121.1
70°	2865.8	1079.2	35.8	27.5	16.5	57.8	101.9	143.2	107.4	137.6	137.6
72.5°	2499.7	779.1	30.3	27.5	27.5	66.1	126.6	156.9	118.4	173.4	170.7
75°	1929.8	490.0	30.3	27.5	33.0	82.6	143.2	167.9	126.6	192.7	190.0
77.5°	1285.6	231.2	30.3	30.3	38.5	90.8	154.2	178.9	140.4	214.7	212.0
80°	503.8	126.6	33.0	33.0	46.8	96.4	165.2	184.4	145.9	231.2	228.5
82.5°	242.3	88.1	33.0	33.0	63.3	107.4	176.2	192.7	151.4	234.0	231.2
85°	206.5	82.6	30.3	35.8	77.1	134.9	187.2	190.0	154.2	223.0	223.0
87.5°	184.4	79.8	30.3	35.8	104.6	156.9	195.5	187.2	165.2	217.5	217.5
90°	190.0	85.3	33.0	41.3	118.4	159.7	198.2	187.2	159.7	201.0	201.0
92.5°	203.7	90.8	35.8	44.0	118.4	148.7	184.4	167.9	148.7	170.7	167.9
95°	214.7	96.4	38.5	49.6	104.6	115.6	154.2	134.9	123.9	132.1	132.1
97.5°	165.2	74.3	44.0	55.1	79.8	68.8	96.4	88.1	66.1	55.1	55.1
100°	44.0	24.8	46.8	55.1	55.1	46.8	71.6	66.1	44.0	19.3	19.3
102.5°	16.5	16.5	44.0	52.3	44.0	35.8	52.3	49.6	35.8	5.5	5.5
105°	16.5	13.8	27.5	41.3	27.5	19.3	27.5	33.0	22.0	5.5	5.5
107.5°	16.5	13.8	16.5	24.8	11.0	8.3	11.0	11.0	11.0	2.8	5.5



REPORT NUMBER: P559915

CATALOG NUMBER: SDL-PA1-100-827-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.5	13.8	8.3	11.0	8.3	8.3	5.5	5.5	8.3	16.5	16.5
115°	16.5	13.8	8.3	8.3	5.5	8.3	5.5	2.8	8.3	19.3	22.0
117.5°	22.0	13.8	5.5	5.5	5.5	5.5	5.5	2.8	8.3	24.8	27.5
120°	27.5	16.5	5.5	5.5	5.5	2.8	5.5	2.8	11.0	24.8	27.5
122.5°	30.3	19.3	5.5	5.5	5.5	2.8	2.8	5.5	11.0	24.8	24.8
125°	30.3	19.3	5.5	5.5	2.8	2.8	2.8	2.8	11.0	24.8	27.5
127.5°	24.8	16.5	5.5	5.5	2.8	2.8	2.8	2.8	11.0	22.0	24.8
130°	22.0	16.5	5.5	5.5	2.8	2.8	2.8	2.8	11.0	19.3	22.0
132.5°	16.5	13.8	5.5	2.8	2.8	2.8	2.8	2.8	11.0	16.5	19.3
135°	13.8	8.3	5.5	2.8	2.8	2.8	2.8	2.8	8.3	16.5	16.5
137.5°	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8	5.5	8.3	8.3
140°	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5
142.5°	2.8	5.5	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
145°	2.8	5.5	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
147.5°	2.8	5.5	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
150°	2.8	5.5	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.5
152.5°	2.8	5.5	2.8	2.8	2.8	0.0	0.0	2.8	2.8	2.8	2.8
155°	11.0	8.3	5.5	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245982



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110°	22.0	22.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	11.0	19.3
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110°	16.5	13.8	8.3	11.0	8.3	8.3	8.3	5.5	5.5	11.0	11.0
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(END OF REPORT)